

IN THE CLAIMS

S45
D1 >
C1
1. (Thrice Amended) An electric high voltage AC machine for direct connection to a distribution or transmission network, said machine including at least one winding and having a neutral point and comprising at least one current-carrying conductor and a magnetically permeable, electric field confining covering surrounding and being in electrical contact with the conductor; a first layer having semi-conducting properties surrounding the conductor and being in electrical contact therewith, a solid insulating layer surrounding said first layer and being in intimate contact therewith, and an outer layer having semi-conducting properties surrounding and being in intimate contact with said insulating layer, and grounding means for connecting the neutral point of said winding in circuit to ground.

S46
D2 >
C2
9. (Thrice Amended) An electric AC machine having a magnetic circuit for high voltage comprising:

a magnetic core and at least one winding, wherein said winding is formed of a cable comprising at least one current-carrying conductor and a magnetically permeable, electric field confining covering surrounding the conductor, each conductor having a number of conductor elements, and inner semi-conducting layer surrounding the conductor and being in electrical contact with at least one of the conductor elements, an insulating layer of solid insulating material surrounding said and being in intimate contact with said inner semi-conducting layer, and an outer semi-conducting layer surrounding and being in intimate contact with said insulating layer, and grounding means for connection to at least one selected point of said winding to ground.

S45
D3 >
C3
35. (Amended) A high voltage electric machine comprising at least one winding, wherein said winding comprises a cable including at least one current-carrying conductor and a magnetically permeable, electric field confining cover surrounding the conductor including an inner semiconducting layer surrounding the conductor and being in electrical contact therewith, a solid insulating layer surrounding the inner layer and being in intimate contact therewith, and an outer semiconducting layer surrounding the insulating layer and being in intimate contact therewith, said inner and outer layers forming equipotential surfaces around the conductor, said cable forming at least one uninterrupted turn in the corresponding winding of said machine.